



**INDUSTRIAL  
ENERGY  
ACCELERATOR**

**Our mission is to accelerate global action  
towards industrial energy efficiency for  
people, countries and the planet.**

We work on the ground to rally government, business and finance around solutions that ignite change in industrial sectors. We then take our knowledge and experience to the world, sharing what we have learned to inspire a global movement for industrial energy efficiency.



Funded by:





## How we work

In partnership with key government agencies and industry stakeholders, the Accelerator works to encourage the adoption of energy management systems, best practices and energy efficiency innovations in major industrial sectors.

Our aim is to raise awareness, forge critical partnerships, build capacity and design financial incentives to ultimately help accelerate rapid uptake of industrial energy efficiency in partner countries. In depth analysis followed by tailored in-country technical assistance is delivered across four pillars:



### Policy support

The Accelerator’s local and international experts make policy recommendations, provide technical advice and facilitate multi-stakeholder dialogue among industries, energy service providers, policymakers and the financial sector. This support is designed to help governments refine regulations and standards that encourage faster uptake of industrial energy efficiency measures.



### Skills and capacity building

It is estimated that by simply adopting best practices, industry can reduce energy use and emissions by 25 per cent. To unlock this potential, the Accelerator is designing training modules on efficient energy management systems using existing tools and material to expand and build the capacity of energy managers, policymakers and service providers.



### Pipeline development

To keep momentum for energy efficiency moving forward, the Accelerator works to identify and further develop investment opportunities. This area of work includes profiling energy efficiency risks and benefits, designing solutions to improve the bankability of efficiency projects, as well as raising awareness and sharing knowledge. It also involves generating commitments from key private sector companies and finance providers to scale-up and sustain the long-term shift toward industrial energy efficiency.



### Financing mechanisms

In collaboration with banks and finance providers, the Accelerator is examining existing incentives and mechanisms that encourage investment into scalable energy efficiency solutions. Simultaneously, the Accelerator is engaged in the design and development of innovative financing models such as subsidized interest rates and energy savings insurance schemes.



## A network of global accelerators

The Industrial Energy Accelerator is one of six energy accelerator programmes launched by **Sustainable Energy for All (SEforALL)**. The flagship programmes are designed to accelerate action across fuel economy, lighting, appliances, buildings and district energy systems. Together, these programmes will contribute to SEforALL’s goal of doubling the rate of improvement in global energy efficiency by 2030.

## The invisible solution

The burning of fossil fuels for electricity and heat is the largest single source of global greenhouse gas emissions. So, any effort to reduce emissions and mitigate climate change must involve energy efficiency strategies. After all, the easiest and cheapest clean energy solution lies in the energy we don’t use.

Significant focus and attention is needed in the industrial sector, which accounts for more than a third of global energy consumption. In emerging economies, and major industries such as mining and manufacturing, potential for energy efficiency remains largely untapped.

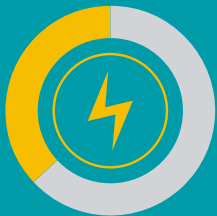
With the right incentives, policies and resource management systems in place, a vast amount of industrial energy use could be avoided. Such a shift would enable industry to massively reduce its power bill. It would also achieve nearly half of the emissions cuts required to keep global temperature rises below catastrophic levels.

## INDUSTRY

accounts for

**37%**

of global total final  
**ENERGY CONSUMPTION**



and around

**1/3**

of global greenhouse  
**GAS EMISSIONS**



By implementing cost-effective energy efficiency opportunities available today, industry could produce nearly **twice as much value per unit of energy use** in 2040, compared to current levels<sup>1</sup>.

<sup>1</sup>International Energy Agency:  
<https://www.iea.org/topics/energyefficiency/industry/>

## Where we work

The Accelerator currently works in five major industrial countries responsible for around 26 per cent of the world's energy consumption. Each of our partner countries — Indonesia, China, Mexico, Brazil and Morocco — are home to major industries with huge energy efficiency potential.

By 2021 the Accelerator aims mobilize sufficient funding to expand its presence into 10 additional countries.

### MEXICO

Mexico's industrial sector is hugely diverse and ranges from the highly regarded automotive industry to petroleum and electronics, all of which have significantly propped up the country's economy over the past several decades. However, these industries are driving an estimated 55 per cent of the country's greenhouse gas emissions.

To help turn this trend around, key government authorities have already established federal policies and regulations designed to drive action on energy efficiency. The Accelerator is working to propose competency standards for energy efficiency professionals as well as a nationally adapted energy efficiency certification scheme to further harness Mexico's political will to reduce emissions.

### BRAZIL

In Brazil, where industry consumes one third of the national power supply, industrial energy intensity could be improved by 40 per cent just in the pulp and paper, and iron and steel manufacturing sectors<sup>2</sup>. However, despite the availability of adequate finance, Brazilian creditors and investors have largely overlooked the energy efficiency market.

To capture the financial sector's attention, the Accelerator is delivering a series of events and training workshops targeted to Brazilian banks and credit managers. Other efforts include the development of energy efficiency risk assessment tools for potential investors and finance providers.

### MOROCCO

As the only North African country without major fossil fuel reserves, Morocco is taking bold steps to ensure it can secure power for its growing economy long into the future. The Accelerator is working to support Morocco in its pursuit to reduce industrial energy consumption to achieve a national target of 15 per cent in energy savings by 2030. Key efforts include raising awareness and supporting major industrial users with the implementation of the globally recognized ISO 50001 Energy Management System and certification.

### CHINA

Despite being the world's largest manufacturer of energy-intensive goods, through the dissemination of energy efficient technologies, China could significantly lower emissions. In recent years energy efficiency and conservation strategies have gained ground among decision makers in China's major industries.

The Accelerator in close partnership with government and local stakeholders is working to promote the dissemination of industrial energy efficiency and low-carbon technologies in China and in countries along the Belt and Road Initiative. Low-carbon financial incentives such as tax relief and concessional loans are currently being identified and analyzed by the Accelerator. These financial products are seen as the next strategic step to drive China's energy efficiency revolution further.

### INDONESIA

Indonesia already boasts the second largest market for energy efficiency implementation in the ASEAN region. The Accelerator's design of a national seed-fund to provide concessional debt for industrial energy efficiency projects will allow for large-scale proof of concept demonstrations in key industries such as mining, textiles and cement production. Simultaneously, the design and introduction of de-risking instruments such as energy savings insurance should attract more private sector capital to the national energy efficiency market.

<sup>2</sup>International Energy Agency, 'Energy Efficiency in Brazil': <https://www.iea.org/topics/energyefficiency/e4/brazil/>

# Take action on industrial energy efficiency

As efforts to mitigate climate change become ever more critical, the Industrial Energy Accelerator is calling for policymakers and the private sector to embrace the numerous advantages and enormous potential of energy efficiency.

In addition to the environmental contribution, energy efficiency in the industrial sector can advance the Sustainable Development Goals (SDGs). This includes increased disposable income and economic growth, enhanced industrial productivity, and improved local air quality with the associated health benefits.

**Help us make this invisible solution visible!**

Visit

[www.industrialenergyaccelerator.org](http://www.industrialenergyaccelerator.org)

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